PATENT ABSTRACTS OF JAPAN

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(54) TDMA COMMUNICATION SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To speed up and simplify the setting/release processing of communication lines by measuring quantity corresponding to traffic from data quantity and buffer quantity transmitted from a terminal equipment and informing a base station of the measured result.

SOLUTION: An input traffic measuring part 60M measuring quantity corresponding to traffic from data quantity and buffer quantity transmitted from the terminal equipment, an input traffic monitor part 61M and a line control part 39M informing the base station of the measured result are provided. The traffic quantity of data inputted from the terminal equipment to slave stations is informed to the base station as input traffic information. Thus, the base station always grasps the traffic quantity or all the slave stations. The base station cab allocate the lines to the respective slave stations without a request signal on line setting/release. Furthermore, line capacity can adaptively be increased/decreased at high speed even in the middle of communication and the communication lines can efficiently be used.